

The 11th Graduate Student Workshop on Mathematics

Osaka City University

July 25–27, 2017

Program

July 25th, 2017

Chair	Hideo Takioka (OCAMI)
13:00-13:15	Seonmi Choi (Kyungpook National University) On a rational type of a surface-tangle
13:15-13:30	Yudai Taishi (Osaka City University) Linear bikeis
13:30-13:45	Geunyoung Kim (Pusan National University) On $(1, 1)$ -diagrams of $(1, 1)$ -knots up to 10 crossings and pretzel knots
13:45-14:00	Masashi Noji (Osaka City University) Young tableaux and the Robinson-Schensted-Knuth correspondence
14:00-14:15	Short Break
Chair	Chan-Young Park (Kyungpook National University)
14:15-14:30	Masahiro Morimoto (Osaka City University) Elliptic operators and compact groups
14:30-14:45	Hun Lee (Kyungpook National University) On the colorability of $(1, 1)$ -tangles
14:45-15:00	Minju Seo (Pusan National University) On symmetric sets with midpoints
15:00-15:15	Takaya Kumakawa (Osaka City University) Existence and uniqueness theorem on SDEs
15:15-15:45	Break

Chair	Masashi Yasumoto (OCAMI)
15:45-16:00	Dongho Lee (Kyungpook National University) A theoretical study on mathematical modelling of MERS-CoV transmission with application of optimal control
16:00-16:15	Takuto Yamamoto (Osaka City University) Random data final-state problem for nonlinear Schrödinger equation
16:15-16:30	Hiroshi Tsukada (Osaka City University) On local times for Lévy processes
16:30-16:45	Tomoyoshi Nakayama (Osaka City University) The wave equation on the de Sitter space and the integral transforms

July 26th, 2017

Chair	Seonjeong Park (OCAMI)
13:00-13:15	Yusuke Suyama (Osaka City University) Toric Fano varieties associated to building sets
13:15-13:30	Jongkyu Lee (Pusan National University) Nonlinear boundary value problem involving the Laplacian and Extrinsic mean curvature operator
13:30-13:45	Yongjae Park (Kyungpook National University) On polynomial invariants of links of Kanenobu type
13:45-14:00	Hyeran Cho (Pusan National University) Classification of 2-bridge knots with $(1, 1)$ -diagrams
14:00-14:15	Short Break
Chair	Hiroataka Akiyoshi (Osaka City University)
14:15-14:30	Kouta Yamane (Osaka City University) Existence of weak solutions for elliptic equations via Lax-Milgram Theorem
14:30-14:45	Minjae Kwon (Kyungpook National University) The Krull dimension of composite power series rings over valuation rings
14:45-15:00	Kyongte Kim (Osaka City University) The maximum principle
15:00-15:15	Kazuya Akayama (Osaka City University) The relationship between the Radon-Nikodym derivative and the derivative of complex measures
15:15-15:45	Break

Chair	Young Ho Im (Pusan National University)
15:45-16:00	Byeorhi Kim (Kyungpook National University) On decomposed quandles as 2-cocycle abelian extensions
16:00-16:15	Sanghoon Park (Pusan National University) On the Alexander polynomial of (1,1)-knots in S^3
16:15-16:30	Hiroaki Karuo (RIMS, Kyoto University) Introduction to quantum invariants of knots
16:30-16:45	Suhyeon Jeong (Pusan National University) An introduction to a marked graph braid representation for surface-links

July 27th, 2017

10:15-10:45	Award Ceremony for The 11th Graduate Student Workshop
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